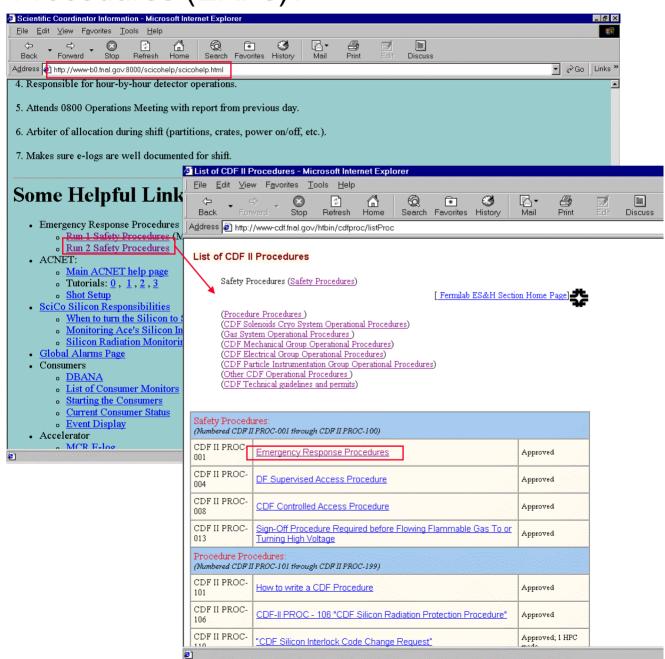


ERP 06/09/2003

Where are the Emergency Response Procedures (ERPs)?





- Flow charts of actions to be taken in emergency situations
- Most current version located on CDF web pages as shown on previous page
- Color keyed
 - Black Procedure steps
 - Red Important safety warnings
 - Green Expert actions/suggestions
 - Blue Additional information or automatic actions



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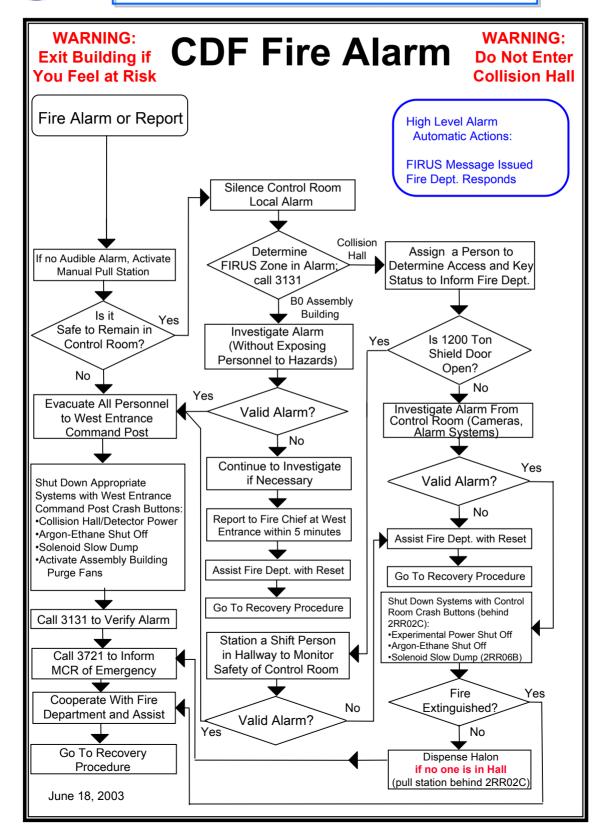
CDF Emergency Response Procedures:

- CDF Fire Alarm
- CDF Oxygen Deficiency Hazard (ODH)
 Alarm
 - Assembly Building with 1200 T shielding door closed
 - Assembly Building or Collision Hall with 1200 T shielding door open

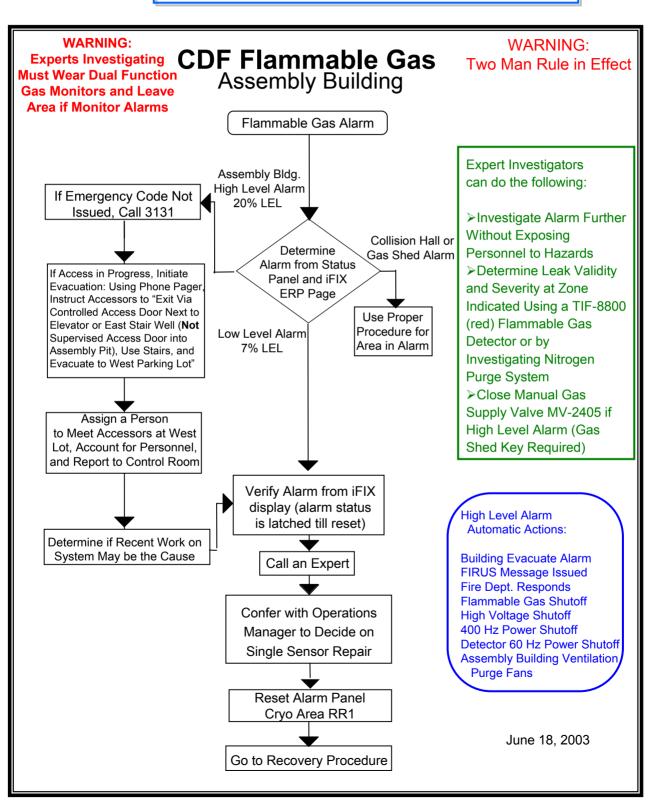
CDF Flammable Gas Alarm

- Assembly Building
- Collision Hall
- Gas Shed (behind Assembly Building, not gas mixing shed on other side of berm)
- COT Inerting
- Severe Weather (Tornado) Alarm
- Radiation Exposure Procedure
- → Spill Procedure
- Recovery Procedure

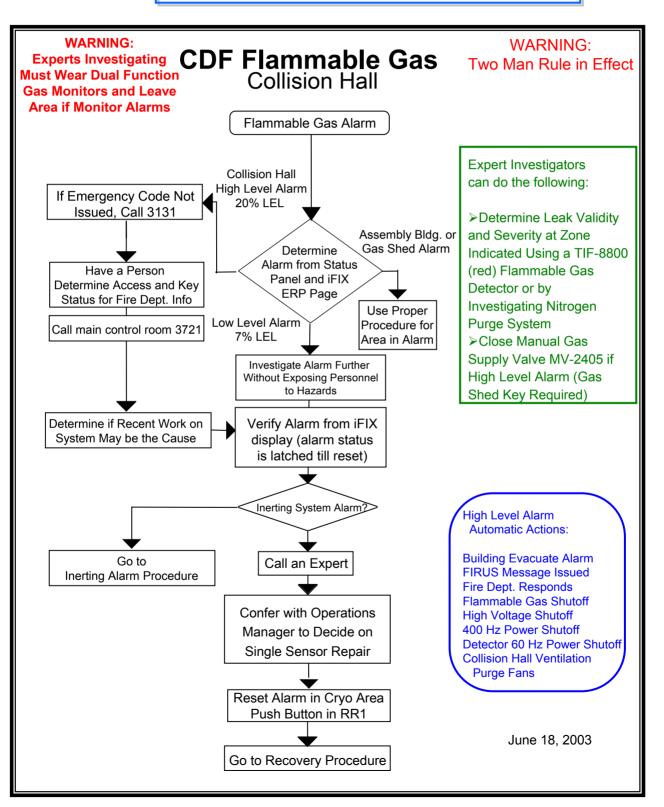




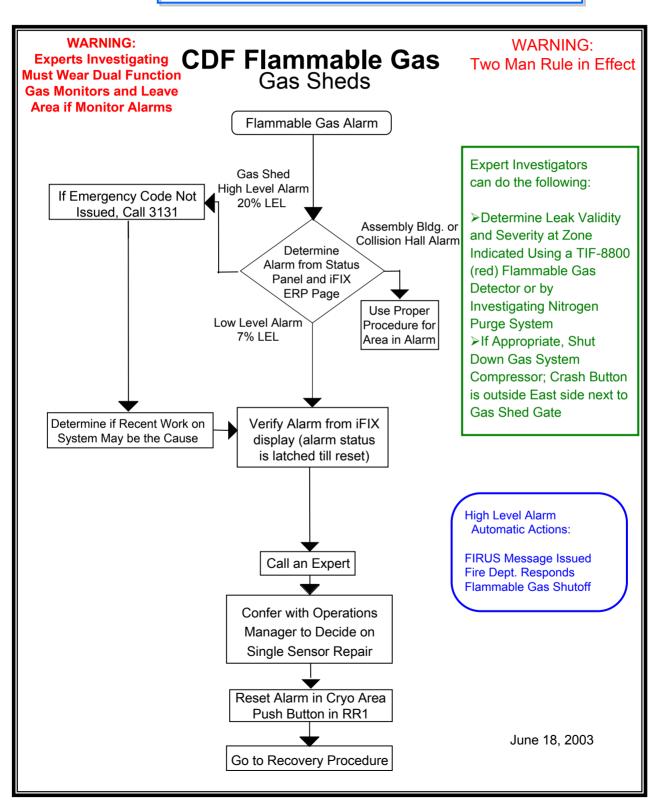




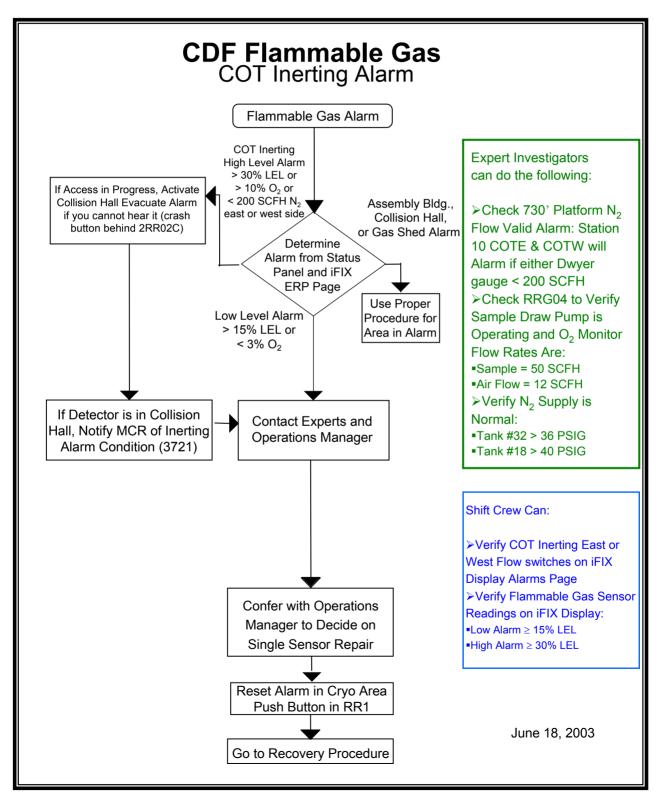














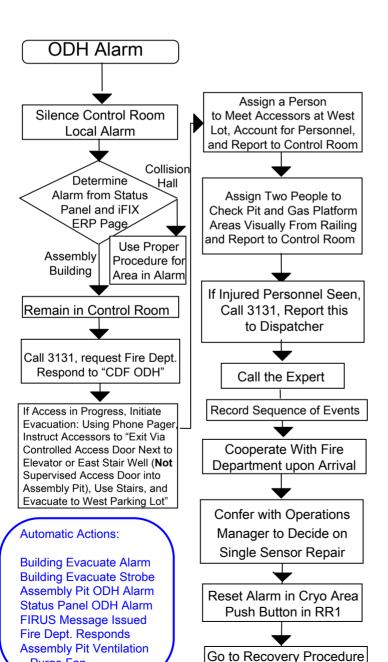
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WARNING: Do Not Enter Deep Pit

Purge Fan

CDF ODH Alarm

Assembly Building with 1200 Ton Shield Door Closed



Expert Investigators can do the following:

- ➤ Check Alarm at Crvo Area Rack #1
- ➤Investigate Further:
- Check for Other Alarms
- Determine if Recent Changes are Cause
- ■From iFIX, check PF1
- Check Cryo System Readbacks

Alarm is Valid if any of the following are true:

- ➤ Vapor Cloud or Broken Line
- ➤ More than One Sensor
- Indicates Latched Alarm ➤ Latched Sensor Non-Normal **Reading Persists**
- ► All Access Keys Cannot Be Accounted For (Unless Assembly Pit is Not Part of Access Area

If Valid Alarm is Only One Non-Normal Sensor and no other Confirming Evidence is Found, Alarm is Declared False



Status Panel ODH Alarm

FIRUS Message Issued Fire Dept. Responds Assembly Pit Ventilation

Purge Fan

Emergency Response Procedures (ERPs)

ERP 06/09/2003

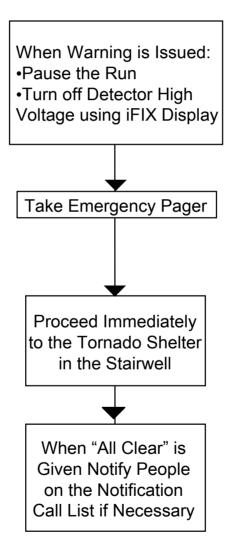
VARNING: Do Not Enter CDF ODH Alarm Deep Pit or Collision Hall Collision Hall or Assembly Building with 1200 Ton Shield Door Open **ODH Alarm** Expert Investigators can Silence Control Room do the following: Assign a Person to Inspect Local Alarm Collision Hall with Cameras ➤ Check Alarm at Crvo for Valid Alarm: Vapor Area Rack #1 Cloud, Broken Line, or Determine Zone In Alarm Injured Personnel ➤Investigate Further: from Status Panel and iFIX ■Check for Other Alarms Determine if Recent If Shielding Door is Remain in Control Room Changes are Cause Open, Assign Two ■From iFIX, check PF1 People to Check Pit and Check Cryo System Gas Platform Areas Call 3131, request Fire Dept. Readbacks Visually From Railing and Respond to "CDF ODH" Report to Control Room Alarm is Valid if any of the following are true: Assign a Person to ➤ Vapor Cloud or Broken Line Determine Access and If Injured Personnel Seen, Seen Key Status for Fire Dept. Call 3131, Report this ➤ More than One Sensor Info and meet Fire Dept. to Dispatcher **Indicates Latched Alarm** at West Command Post ► Latched Sensor Non-Normal Reading Persists Coordinate With ► All Access Keys Cannot Be Inform MCR- 3721 Accounted For (Unless Fire Department of ODH Alarm Assembly Pit is Not Part of Access Area Ask MCR to Investigate if Confer with Operations Tevatron Could be Reason for If Valid Alarm is Only One Non-Manager to Decide on **ODH Condition** Normal Sensor and no other Single Sensor Repair Confirming Evidence is Found, Alarm is Declared False Assign a Person to Keep Record Sequence of Events Phone Line Open to MCR **Automatic Actions:** Reset Alarm in Cryo Area Building Evacuate Alarm Building Evacuate Strobe Assembly Pit ODH Alarm Push Button in RR1

Go to Recovery Procedure

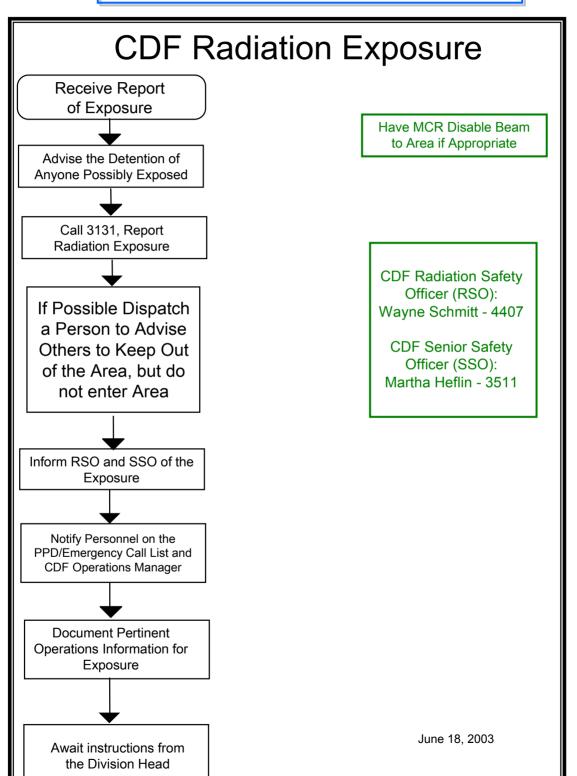


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CDF Tornado/Severe Weather Alarm









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CDF Spill Procedure

Spill of Detector Cooling Fluid Reported

Small quantities
(< 55 Gallons) can be
absorbed but must be
disposed of as
special waste. For
larger spills call 3131.
See MSDS Sheets on
Following Pages.

Notify Operations Manager.

CDF Spill Plan on Following Pages.

When "All Clear" is Given Notify People on the Notification Call List if Necessary



ERP 06/09/2003

Warning: Experts with MX241 or COM26 Monitors and Escape Packs should First Enter Pit After ODH False Alarms

CDF Recovery Procedure

Recovery from Low Level Alarm:

- •Flammable Gas
- COT Inerting
- •VESDA Pre-alarm

Contact CDF Operations Manager to Identify and Authorize System Experts to Correct Problem, Restart Shut Down Systems, and Notify Call List Personnel

For Flammable Gas Low Level Alarm, CDF Operations Manager May Authorize Gas Tech to Repair Problem as per CDF-313 as Long as No Dual Function Gas Monitors Signal Alarm

Record Actions in Logbook

Resume Normal Operations

Recovery from False Alarms:

- •Fire Alarm
- •Flammable Gas Alarm
- •ODH Alarm

Contact CDF Operations Manager to Identify and Authorize System Experts to Correct Problem, Restart Shut Down Systems, and Notify Call List Personnel

Shut Down Systems, and Notify Call List Personnel

Record Actions in Logbook

Notify MCR that Alarm was False

Resume Normal Operations

Recovery from Emergencies:

- Fire Alarm
- •Flammable Gas High Level Alarm
- •ODH Alarm

Contact CDF Operations Manager to Identify and Authorize System Experts to Correct Problem, Restart Shut Down Systems, and Notify Call List Personnel

CDF Head Consults with Beams and PPD Heads and Authorizes Normal Operations

Record Actions in Logbook

Notify MCR of Incident Termination and Resumption of Normal Operations

Resume Normal Operations